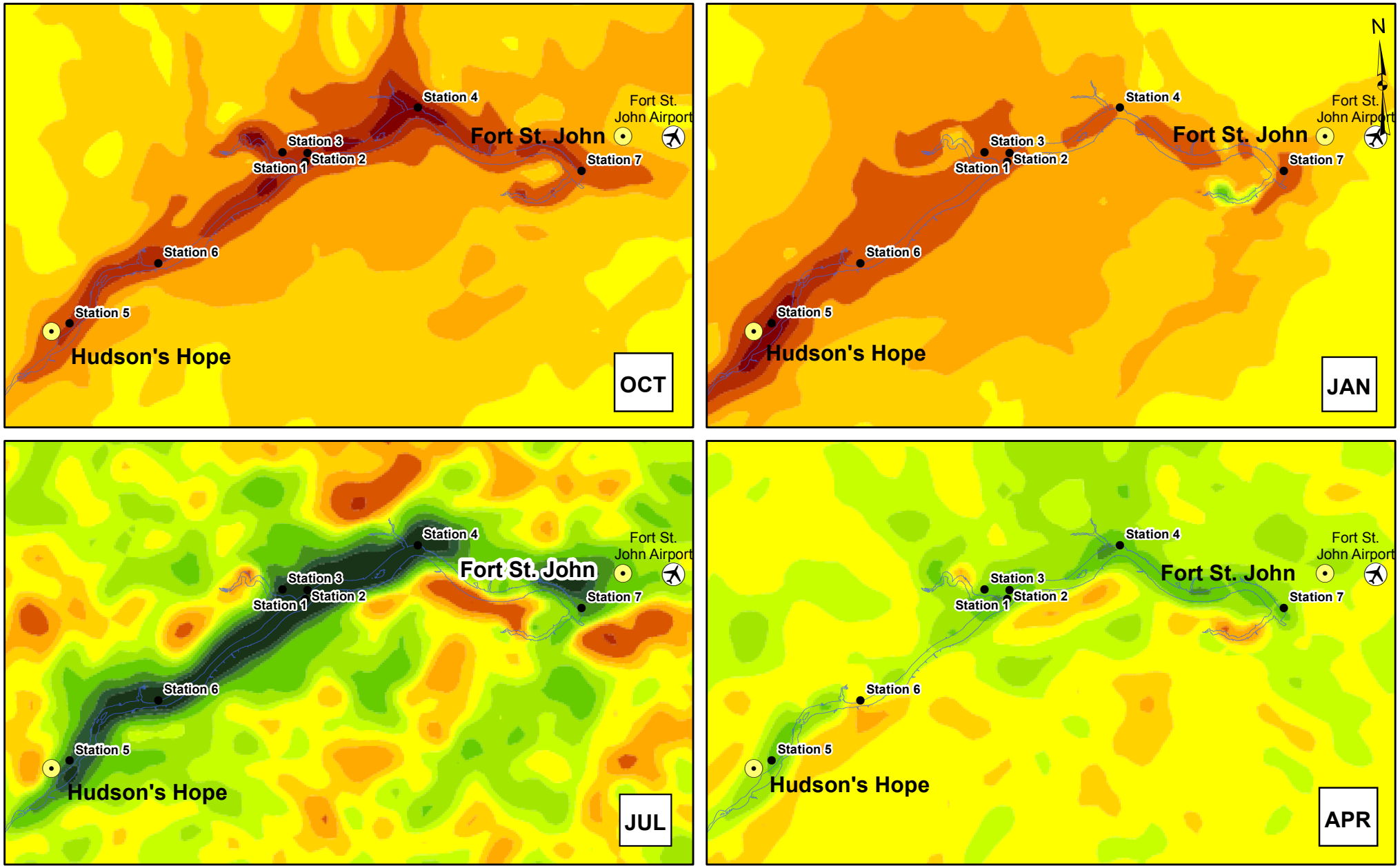

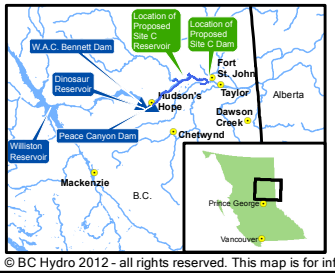

WRF - predicted changes in average monthly water vapour mixing ratio above ground level after formation of the reservoir (positive are increases) for four calendar months as labelled clockwise from top left: October, January, April, and July. Results are from WRF vertical grid level 5, corresponding to approximately 2640 feet above sea level.

Map Notes:
1. Datum/Projection: NAD83/UTM Zone 10N
2. Proposed Reservoir Area (461.8 m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August 2006.
3. Aiport data from Esri v.10.

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Legend

- BC Hydro - Site C Stations
- City / District Municipality
- Proposed Reservoir

Mixing Ratio Change (in g/kg)

- < -0.04
- -0.03 to -0.04
- -0.02 to -0.03
- -0.01 to -0.02
- -0.005 to -0.01
- -0.002 to -0.005
- 0.002 to -0.002
- 0.005 to 0.002
- 0.01 to 0.005
- 0.02 to 0.01
- 0.03 to 0.02
- 0.04 to 0.03
- > 0.04

1:600,000 0 20 km

SITE C CLEAN ENERGY PROJECT

RWDI BC hydro

Figure 11.10.13
Estimated changes in mixing ratio 2640 feet asl - monthly

DATE	Nov. 30, 2012	1016-C14-A6267-11	R 0

Construction of the Site C Clean Energy Project is subject to required regulatory approvals including environmental certification